

Product datasheet

Recombinant Human Thrombospondin 1 protein ab52124

Description

Product name	Recombinant Human Thrombospondin 1 protein
Purity	> 98 % SDS-PAGE. Endotoxin level: <0.1 ng/μg of human Thrombospondin. Affinity purified.
Expression system	Baculovirus infected insect cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Specifications

Our [Abpromise guarantee](#) covers the use of **ab52124** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized
Additional notes	This product is manufactured by BioVision, an Abcam company and was previously called 4805 Thrombospondin, human recombinant. 4805-10 is the same size as the 10 μg size of ab52124. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. This protein was produced using baculovirus vectors in insect cells.

Preparation and Storage

Stability and Storage	Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles. Constituents: 0.492% Sodium phosphate, 2.9% Sodium chloride
Reconstitution	Reconstitute with water at the concentration 0.1 mg/ml

General Info

Function	Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. Binds heparin. May
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play a role in dentinogenesis and/or maintenance of dentin and dental pulp (By similarity). Ligand for CD36 mediating antiangiogenic properties. Plays a role in ER stress response, via its interaction with the activating transcription factor 6 alpha (ATF6) which produces adaptive ER stress response factors.

Sequence similarities

Belongs to the thrombospondin family.
Contains 2 EGF-like domains.
Contains 1 laminin G-like domain.
Contains 1 TSP C-terminal (TSPC) domain.
Contains 3 TSP type-1 domains.
Contains 8 TSP type-3 repeats.
Contains 1 VWFC domain.

Cellular localization

Endoplasmic reticulum. Sarcoplasmic reticulum.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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